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ccc agc

tca

gct

gggagtcgac ccacgcgtcc ggtagcctgg tgctctttct c atg

Ala Ser Pro Ser

Y

1

104	152	200	248	296
CCC Pro	tac Tyr	cgg	aca Thr	atc Ile 85
gtc Val 20	gtg Val	att Ile	gtg Val	ctc Leu
cat His	ctg Leu 35	acc Thr	gag Glu	ttc Phe
agt Ser	att Ile	gcc Ala 50	aag Lys	gtg Val
cac His	ctt Leu	agc Ser	cag Gln 65	ttg Leu
gat Asp	acc Thr	aac Asn	ttg Leu	atc Ile 80
att 11e 15	atc Ile	999 G1y	tac Tyr	gac Asp
at c e	aaa Lys 30	ctg Leu	gga Gly	tcg Ser
caa Gln	atc Ile	ctt Leu 45	aaa Lys	tgc Cys
tcc Ser	tgg Trp	ggc Gly	aag Lys 60	gct Ala
tgc Cys	acc Thr	atg Met	cag Gln	ttg Leu 75
gac Asp 10	gcc Ala	gtg Val	ctg Leu	agt Ser
agt Ser	gtg Val 25	ttc Phe	gtg Val	gtg Val
ggc Gly	gag Glu	atc Ile 40	cag Gln	atg Met
ccg Pro	ttt Phe	atc Ile	acc Thr 55	cac
ctc Leu	gag Glu	ctg Leu	gtc Val	gac Asp 70

FIG.IA

atg ccc atg gag ttc tac agc atc atc tgg aat ccc ctg acc acg Met Pro Met Glu Phe Tyr Ser Ile Ile Trp Asn Pro Leu Thr Thr

90

ggc



089

ctc Leu

acc Thr

atc Ile

tcc Ser

aat atg t Asn Met 3

tcc Ser 205

acc Thr

gag Glu

ccc Pro

cag Gln

cac His

cac His

gag Glu 200

aac Asn

tgt Cys 210

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392	440	4 8 8	536	584	63.2
gcc Ala	cgc Arg	cct Pro	ctg Leu 165	gtg Val	cgc Arg
gag Glu	gag Glu	gga Gly	gcc Ala	ctg Leu 180	acc Thr
ttc Phe 115	ttt Phe	tag Ser	tcc Ser	CCC Pro	а В в в В в в В в в
ctc Leu	agc Ser 130	gtg Val	acc Thr	tac Tyr	tcc Ser
ttc Phe	ctc Leu	gct Ala 145	gtc Val	gag Glu	cgc Arg
act Thr	aca Thr	aag Lys	tgg Trp 160	act Thr	aac Asn
cac His	ctg Leu	tac Tyr	gtc Val	ggt G1y 175	tgc Cys
ctg Leu 110	gtg Val	agg Arg	ttc Phe	atg Met	act Thr 190
aag Lys	cac His	ttc Phe	ggc Gly	gcc Ala	ctc Leu
tgc Cys	ctg Leu	ccc Pro 140	att Ile	ttt Phe	ggt Gly
tcc Ser	ctg Leu	cac His	ctg Leu 155	ctg Leu	cgg Arg
ctg Leu	acg Thr	tgt Cys	ctg Leu	ttg Leu 170	CaC His
acc Thr 105	gct Ala	atc Ile	aag Lys	ccc Pro	agc Ser 185
tac Tyr	tac Tyr 120	gcc Ala	gtg Val	ctg Leu	ccc Pro
agc Ser	agc Ser	atc Ile 135	cag Gln	gca Ala	gtg Val
tcc Ser	tgc Cys	tac Tyr	tgc Cys 150	gtg Val	aac Asn

FIG. 1B

•					È	Ma Cri
MAR D 4 2003 E			3/17		~ ,	MAR OF LEW LEW LOOK OF THE PROPERTY OF THE PRO
728	776	824	872	920	896	1016
cag tcc agc atc ttc ggc gcc ttc gt Gln Ser Ser Ile Phe Gly Ala Phe Va 225	tcc gta gcc ttc atg tgc tgg aac atg Ser Val Ala Phe Met Cys Trp Asn Met 240	cag aag ggc tcg ctg gcc ggg ggc acg Gln Lys Gly Ser Leu Ala Gly Gly Th: 255	tcc gag agc gaa gag agc agg acc gc Ser Glu Ser Glu Glu Ser Arg Thr Al. 275	ctg agg ctg att gtt gtg aca ttg gco Leu Arg Leu Ile Val Val Thr Leu Ala 285	att cgg agg atc atg gct gcg gcc aa Ile Arg Arg Ile Met Ala Ala Ala Ly 305	tcc tac ttc cgg gcg tac atg atc ctc Ser Tyr Phe Arg Ala Tyr Met Ile Leu 320
agc cgc tgg acc gtg ttc Ser Arg Trp Thr Val Phe 215	tac ctc gtg gtc ctg ctc Tyr Leu Val Val Leu Leu 235	cag gtg ctc atg aaa agc Gln Val Leu Met Lys Ser 250	cct ccg cag ctg agg aag Pro Pro Gln Leu Arg Lys 265	agg cag acc atc atc ttc Arg Gln Thr Ile Ile Phe 280	tgc tgg atg ccc aac cag Cys Trp Met Pro Asn Gln 295	aag cac gac tgg acg agg Lys His Asp Trp Thr Arg 315

atg Met

gtc Val 230

tcc Ser

cgg Arg

agg Arg

gta Val

ccc Pro 310

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		· '				
1064	1112	1160	1208	1256	1304	1352
ccg Pro	cag Gln	cgc Arg	cag Glņ	act Thr 405	tct Ser	gcg Ala
aac Asn 340	gtg Val	aag Lys	gtg Val	aga Arg	cag Gln 420	ggc Gly
atc Ile	ttc Phe 355	gag Glu	ttt Phe	agg Arg	CCC	tca Ser 435
gtc Val	gtg Val	cac His 370	cgc Arg	gca Ala	gag Glu	aac Asn
tcg Ser	cgg Arg	aac Asn	gсс Ala 385	tct Ser	gcc Ala	ccc Pro
agc Ser	cgg Arg	gcc Ala	agc Ser	tcc Ser 400	gag Glu	gag Glu
ctc Leu 335	ttt Phe	cac His	gac Asp	cag Gln	agc Ser 415	cta Leu
tac Tyr	cag Gln 350	cag Gln	acc Thr	cgc Arg	cag Gln	tca Ser 430
ttc Phe	cag Gln	ctg Leu 365	acc Thr	cgg Arg	ttt Phe	gag Glu
ttt Phe	tcg Ser	tcg Ser	tcc Ser 380	tcc Ser	act Thr	ctc Leu
cag Thr	tcc Ser	ctg Leu	cac His	gcg Ala 395	agc Ser	agt Ser
gag Glu 330	gtg Val	cgc Arg	gcg Ala	ttc Phe	tta Leu 410	ttg Leu
tcg Ser	acg Thr 345	tgc Cys	cat His	ctc Leu	ttc Phe	tca Ser 425
ttc Phe	tac Tyr	tgc Cys 360	a	ttg Leu	att Ile	cag Gln
ccc Pro	ctg Leu	ctg Leu	cgc Arg 375	ccg Pro	aag Lys	tcc Ser
ctc Leu	ctc Leu	gtg Val	ctg Leu	cgc Arg 390	gag Glu	aag Lys

FIG. ID



1400 gtt Val gaa Glu cat His Glu gag Gln cag Phe ggt Gly gag aat 6 Glu Asn 6 445 gca Ala Ala gct tct Asn Ser aat gcc Pro Ala CCa

2060 atgatecegg caetttgetg cateaettet ttetgaeaea tgtettgaae 2120 $\overline{FIG.IE}$ tgaatgtcaa gcgagggagc cttgagtggg aactggccct ccagccctaa gaaaacgtca 1460 ctggaggctt 1520 ggacacccag 1760 cttccccttt tcttgggcct 1940 actgagttca gtttccctgg 2000 gactctgcca gcctggcctt 1580 1640 cagtcaagct gaatttattc agaatgcttt accgagctct ttcattattt 1700 gggggtgaac tttcactcca cctccttcct tcaagtacat aatgcaggag agggctaatt tgaggaacag cggcagaggc gatgagacag gccgctgatg atgcacagga ggaatggaca cagaataaaa ctggaagaac acggactccc gctccctacc gcagtctcaa actctgcccc catcagggat ctcagtgact tctaaggact gggcgaggg ttcagcagtg tgccgacaag eggageeetg geetgaggge egaggeagaa gctgatgcaa tgttgcagca tggggggttg ctccttcagc caaagagggg agatgcccac acacagacat ctcagggagg gactggtacc aaaagagaac ggggtggcat actgaaaatt aagaaactca gatggtggtg cttgcggtac ctctcactct tggcccgtta tacaaaaggc gcacaggaac ggagcagaag gactccggtt

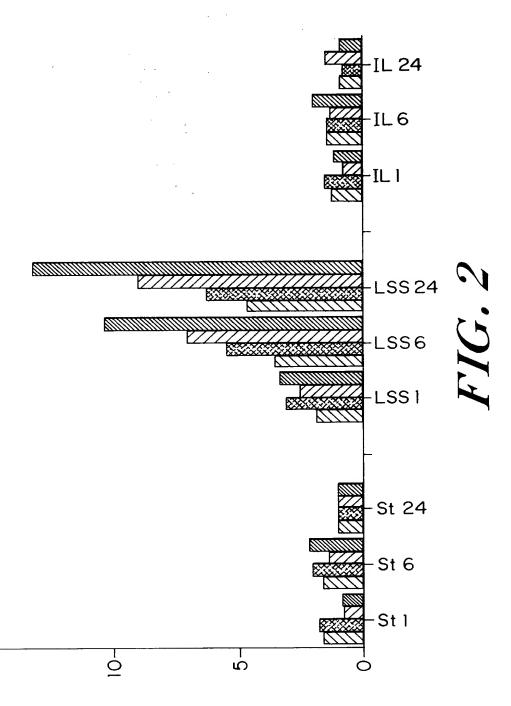


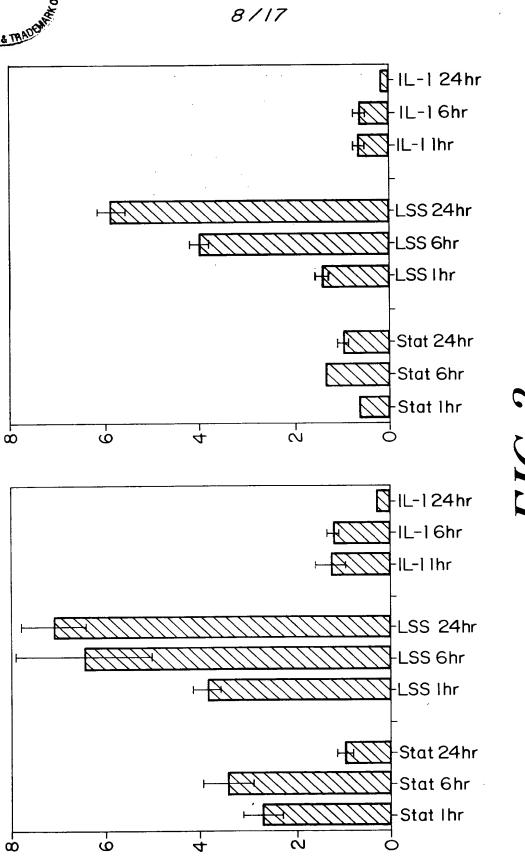
2360 2528 gttcaccgtg caattcacaa tgaactcggg ggaggagcag tcgttgttca gctggaattc 2180 gtgcgggaga ccgcttgccc 2300 catecattte egtggaaate geeteetaag etttagetee tetteaeeet 2420 gggacgcaga tcatttaatt 2480 tttgcagcgc aaagccttgc ggactcccgg ggatgccccg 2240 gttggtgccc ccgcccccaa tccgcacatt cccatcccct ttccgcacat ctgcatcgcn tengcagage tggtetgtaa aggggettaa atgaettt tttctccccc ggccacttct gggggcagct ctctcacgcc gtgctatctt cgccttcctt cccgagcctt gcagcaggtg ttcacactgg tagcactgga gccggagtgc ccttagggag

FIG. IF



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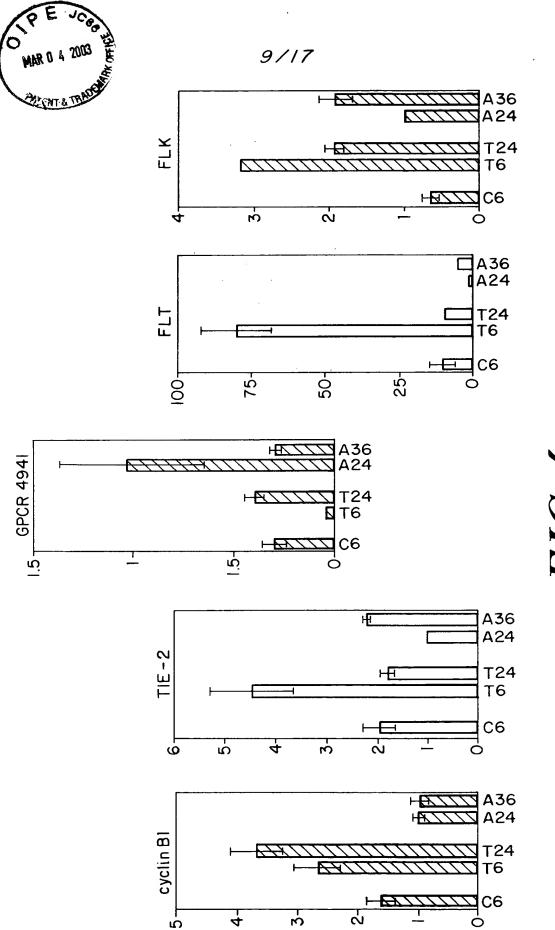
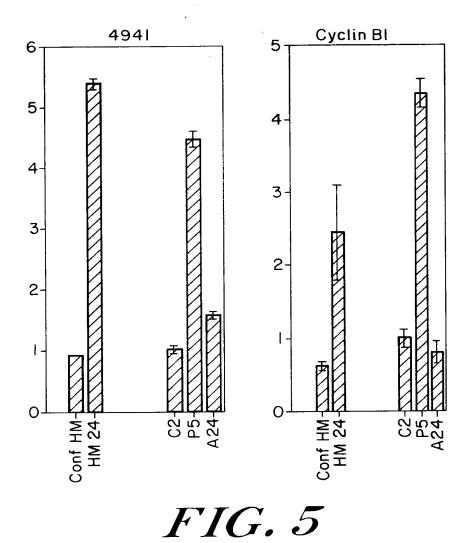
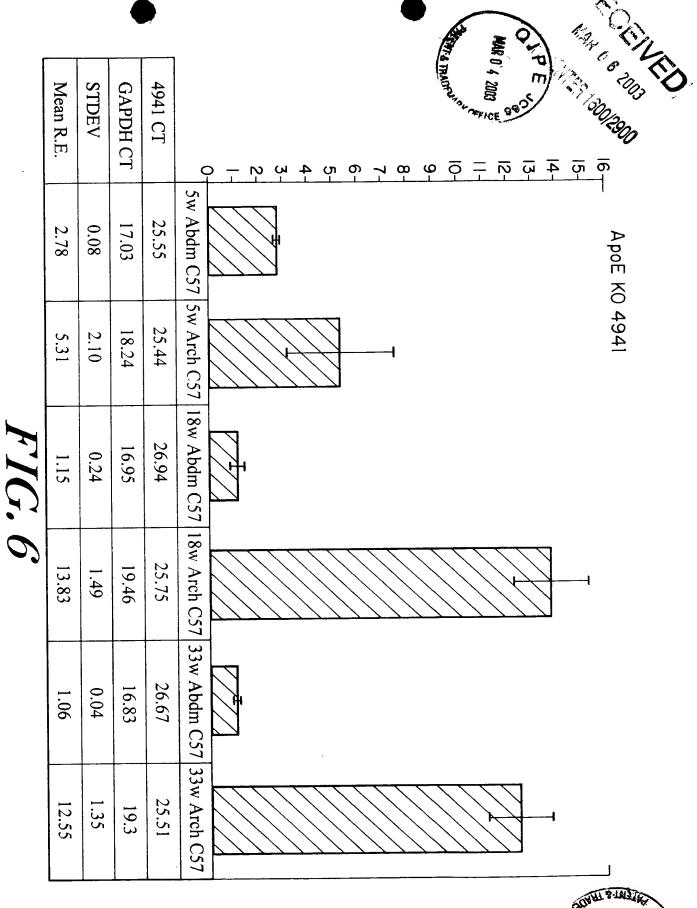


FIG. 4







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Expression	Beta 2	4941B	Ç.))	0.1-	0.2-	0.3-	0.4-	0.5-	0.6-	0.7-	0.8
0.0	19.9	31.4	_		•	•		***				
0.0	19.5	34.7	Ovary N Ovary N Ovary N Ovary T Ovary T Ovary T Ovary T Ovary T									
0.0	21.8	37.0	Ovary N									
0.2	17.3	29.8	Ovary T			3						
0.6	17.2	27.9	Ovary T									
0.7	16.1	26.6	Ovary T									
0.4	16.9	28.2	Ovary T									
0.3	16.5	28.2	Ovary T									
0.1	19.0	31.8	Ovary T									
0.3	19.1	30.6	Ovary T Ovary T Ovary T]				
0.1	15.8	29.9	Ovary T		3					٠		

FIG. 7A

18.00- 16.00- 16.00- 17.51 18.00 17.51 1	MED												
Manufacture (Marian Marian Mar	MID=4941	Ċ	000-	2.00-	4.00-	6.00-	8.00-	10.00-	12.00-	14.00-	16.00-	18.00-	20.007
Manufacture (1974) Manufa	1.45	Norm MPM 150	$Z\!Z$	3									•
Manufacture (1974) Manufa	3.45	Norm MPM 170	<u> </u>		3								
Endo Endo Endo Mucin Mucin Ser Ser Ser Ser Ser Ser Ser 1952 89 172 173 229 173 229 253 261 17.61 18.80 8.44 13.62 4.68 5.92 4.68 5.92 5.42 4.41 12.1	3.38	Norm MPM 171	77		3							A SEL	
Endo Endo Endo Mucin Mucin Ser Ser Ser Ser Ser Ser Ser 1952 89 172 173 229 173 229 253 261 17.61 18.80 8.44 13.62 4.68 5.92 4.68 5.92 5.42 4.41 12.1	2.03	Norm MPM 228	Z	\overline{Z}								TRAC	MARO 4
Endo Endo Endo Mucin Mucin Ser Ser Ser Ser Ser Ser Ser 1952 89 172 173 229 173 229 253 261 17.61 18.80 8.44 13.62 4.68 5.92 4.68 5.92 5.42 4.41 12.1	2.39	Endo MPM 175	<u>ZZ</u>	<i>Z</i> Z								John W. Cor	ACE 99
Endo Endo Mucin Mucin Ser		MPM 371	Z		3								
Endo Mucin Mucin Ser		Endo MPM 372	\overline{Z}		\mathbb{Z}						•		
Mucin Mucin Ser	9.56	Endo MPM 88						\overline{Z}					
Mucin Ser	17.6											\overline{Z}	
Ser		n Mucin 1MPM 152	Z										
Ser													
Ser	13	M MPN	i							\overline{Z}			
Ser	-		⊸										
Ser Ser Ser Ser Ser Ser Ser Ser Ser MPM MPM MPM MPM MPM MPM MPM MPM MPM MP						\overline{Z}							
5.42 4.41 12.1 172.1 172.1 172.1 172.1 173	4.68	Ser MPM 173	ZZ										
4.4. 26 M Ser 1777 17 Ser 1777 17 Ser 1777 1777 1777 1777 1777 1777 1777 17	5.92	Ser MPM 229	Z			$Z\!Z$							
2 7 8 8 11111111111111111111111111111111	5.42					\mathbb{Z}							
12.1 A Ser 21/21			⊣										
	12.16	MPM 174	, Z				21	121					

FIG. 7B

_															
Lypicoalor	Eynraccion	Beta 2	4941B	Ç.	0	0.5-	1.0-	1.5-	2.0-	2.5-	3.0-	3.5-	4.0-	4.5-	5.0
6	0.0	22.2	34.5	Breast N											
9	0.0	20.7	36.3	Breast N											
6	9.0	19.2	30.1	Breast N	Z	2									THE TRAUCUS
9	0.4	16.6	27.9	Breast T	Z	3									•
	0.1	16.8	31.1	Breast T	1										
	0.8	16.1	26.4	Breast T	Z										
	13	19.6	29.1	Breast T	Z			3							
	0 3	17.9	29.6	Breast T	Z	3									
	2.9	18.8	27.3	Breast Ovary	Z						7				
	0.0	16.9	31.4	Ovary N)										
	0.0	19.5	34.7	Ovary N) .										
	0.0	21.8	37.0	ovary N)										
	0.2	17.3	29.8	T											
	0.6	17.2	27.9	T Vary											
	0.7	16.1	26.6	T]								

FIG. 8A

												•	ROAC	MAR	ON L	
Expression	Beta 2	4941B	·))	0.5	1.0-	_ .5	2.0-	2.5-	3.0-	3.5-	4.0-	4.5-	5.0	CTIVE SOLD STATE OF THE STATE O	Ó
0.4	16.9	26.2	Ovary T]											
0.3	16.5	26.2	Ovary Ovary											The second second	3 0	.\
0.1	19.0	31.8	Ovary T											TA TRADE	2002 7 0 MM	
0.3	19.1	30.6	Ovary T]									TA PA	PERCE 282	
0.1	15.8	29.9	Ovary													
0.1	15.7	29.4	Lung]												
0.1	19.0	31.9		7												
0.2	15.6	26.0	L	2												
0.1	15.4	26.1]												
0.1	15.3	26.8	Lung	3												
1.0	16.1	26.0	Tung	Z												
0.2	17.1	29.6	Tung	2												
0.1	16.3	28.3	Lung													
0.1	17.7	31.6	Fung]												
4.5	18.4	26.1	Tung	Z												
3.9	17.0	26.0	L Fung									\overline{Z}				

FIG. 8B

Expression	Beta 2	4941B	(o 0	5.0-	10.0-	15.0-	20.0-	25.0-	30.0-	35.0-	4 0.07
15.8	23.0	29.0	Colon N	Z			777					
22.5	21.8	27.2	Colon N									Á
6.2	20.6	27.9	Colon N	Z	<i>ZZ</i>							THE TRACE
6.6	18.0	25.2	Colon T	\overline{Z}								3
3.2	19.7	27.9	Colon		3							
4.3	16.2	24.0	Colon		2							
5.4	18.2	25.7	Colon									
8.0	21.6	28.5	Colon T			3						
3.5	17.4	25.5	T		3							
11.2	18.5	24.9	T									
13.5	17.3	23.5	T				Z					
13.8	18.2	24.4	Met	Z			\overline{Z}					
34.9	20.3	25.1	Met									•
28.9	18.7	23.8	Met							Z		
24.0	20.5	25.9										
1.9	16.9	26.0			1							
34.2	24.4	29.3	Nor									Z

FIG. 8C

Expression	Beta 2	4941B		0.0		ა .0-	10.0-	(<u>ن</u> ن ا	20.0-	, ,	у Э О	30.0-	 3 5.0-	40.0
1.8	23.5	32.6	Brain]										A
5.8	23.6	31.0	N N			7									TRAIN TRAIN
4.0	24.5	32.5	N Brain		<u>Z</u> 3										The lates
1.9	22.8	31.8	N Brain		3										
168.4	22.4	25.0	Astrocy t												\overline{Z}
0.3	17.6	29.1	T	0											
0.4	16.7	28.0	T												
19.7	19.5	25.2								\overline{Z}					
9.3	20.2	27.0					\overline{Z}								
0.9	20.1	30.3	H 0												
0.0	21.7	36.1	T C-Arr						•						
0.2	22.4	34.4	C-Prot	HWH.											
0.5	23.7	34.8	a	Placent				•							
0.0	23.6	38.2		Feta		,				š					
1.1	20.5	30.4	Liver	F 6 2	l										
1.7	19.4	28.5	Liver	Felal	3										

FIG. 8D